



# CEWELD NiTi3 Tig

**TYPE** Solid Nickel based filler metal for TIG welding.

**APPLICATIONS** CEWELD® NiTi 3 is developed for welding and cladding Nickel 200 and Nickel 201. This alloy is also suited for surfacing of steel. Dissimilar welding applications of filler metal NiTi 3 include joining Nickel 200 and 201 to stainless steels, copper-nickel alloys, and Monel alloys. It is also used for joining Monel alloys and copper-nickel alloys to carbon steels, and for joining copper-nickel alloys to Inconel en Incoloy alloys.

**PROPERTIES** The reaction of titanium with carbon maintains a low level of free carbon and enables the filler metal to be used with Nickel 201. The weld metal has good corrosion resistance, particularly in alkali's.

**CLASSIFICATION**

AWS	A 5.14: ERNi-1
EN ISO	18274: S Ni 2061(NiTi3)
F-nr	41
FM	6

**SUITABLE FOR**

**Ni 2061 (NiTi3)**  
**W.Nr:** 2.4060, 2.4061, 2.4062, 2.4066, 2.4068, 2.4106, 2.4108, 2.4109, 2.4110, 2.4116, 2.4122, 2.4128, 2.4170, 2.4175  
 Ni 99.6 ; Ni 99.2 ; LC-Ni99.6 ; LC-Ni99, Ni99.4Fe, NiMn1, NiMn1C, NiMn1,5, NiMn2, NiMn3Al, NiMn5, NiAl4Ti, G-Ni95, G-Ni93C  
**ASTM** B160, B161, B162, B163  
**UNS:** N02200, N02201, N02205  
**Alloy:** 200, 201, 205, Monell

**APPROVALS**

**WELDING POSITIONS**



**TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)**

C	Si	Mn	P	S	Ni	Ti	Fe	Cu
0.09	0.5	0.7	0.01	0.008	96	3	0.2	0.1

**MECHANICAL PROPERTIES**

Heat Treatment	R <sub>P0,2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	Impact Energy (J) ISO-V		Hardness
				RT		
As Welded	200	420	30	120		HRC

**REDRYING** Not required

**GAS ACC. EN ISO 14175** 11



# CEWELD NiTi3 Tig

NIT13 TIG 1,6 X 914MM

Packaging	KG/unit	EanCode
Tube	4,54	8720663417749

NIT13 TIG 2,0 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663417756

NIT13 TIG 2,4 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663417763

NIT13 TIG 3,2 X 914MM

Packaging	KG/unit	EanCode
Tube	4,54	8720663417770